Contents of Volume 7

No. 1, November 1987

High pressure liquid chromatography and wide-bore capillary gas-liquid chromatography methods for quantification of acetoin and diacetyl from bacterial cultures (JMM 00217)
T.J. Montville, M.E. Meyer, A.H.-M. Hsu and G.T.-C. Huang (USA) 1

A new solid medium for the isolation and enumeration of *Thiobacillus ferrooxidans* and acidophilic heterotrophic bacteria (JMM 00219)
D.B. Johnson, J.H.M. Macvicar and S. Rolfe (Wales) 9

A statistical comparison of two culturing methods for enumerating sulfate-reducing bacteria (JMM 00220)
P.M. Fedorak, K.M. Semple and D.W.S. Westlake (Canada) 19

Screening methods to detect toxigenic fungi in liquid medium (JMM 00222)
S. Krivobok, F. Seigle-Murandi, R. Steinman and D. Marzin (France) 29

Heat resistance of microorganisms: an improved method for survival counting (JMM 00225)
S. Condón, R. Oria and F.J. Sala Trepat (Spain) 37

A new system for estimating the bacterial chemotactic response applied to a model oligotrophic marine system (JMM 00226)
K. Malmcrona-Friberg, A. Valeur, G. Odham and S. Kjelleberg (Sweden) 45

No. 2/3, 1 December 1987

The extraction and purification of microbial DNA from sediments (JMM 00221)
A. Ogram, G.S. Sayler and T. Barkay (USA) 57

A method for counting denitrifiers by N_2O detection (JMM 00223)
L. Allievi, D. Catelani, A. Ferrari and V. Treccani (Italy) 67

A simple and inexpensive method for the long-term preservation of microbial cultures (JMM 00224)
W.A. Joubert and T.J. Britz (Republic of South Africa) 73

Determination of ^{13}C-enrichment in bacterial fatty acids using chemical ionization mass spectrometry with negative ion detection (JMM 00227)
A. Tunlid, H. Ek, G. Westerdahl and G. Odham (Sweden) 77

Dialysis: a simple method of separating labelled bacterial DNA and tritiated thymidine from aquatic sediments (JMM 00228)
P.C. Pollard (Australia) 91

Identification of Enterobacteriaceae, *Aeromonas* spp. and *Plesiomonas shigelloides* with the ATB 32GN system (JMM 00229)
M. Altwegg and J. Zollinger-Iten (Switzerland) 103

Antimicrobial susceptibility testing of Enterobacteriaceae, *Aeromonas* spp. and *Plesiomonas shigelloides* with the ATB system (JMM 00230)
M. Altwegg and J. Zollinger-Iten (Switzerland) 111

Evaluation and improvement of methods for coenzyme F420 analysis in anaerobic sludges (JMM 00231)
P.J. Reynolds and E. Colleran (Republic of Ireland) 115

A computer programme as an aid in the identification of yeast strains (JMM 00232)
H. G. Tredoux, T. R. Potgieter and R. P. Tracey (Republic of South Africa) 131
Rapid method for testing drug-susceptibility of *Mycobacteria* spp. and gram-positive bacteria using rhodamine 123 and fluorescein diacetate (JMM 00233)
H. Bercovier, M. Resnick, D. Kornitzer and L. Levy (Israel) 139
A method for measuring bacterial resistance to metals employing epifluorescent microscopy (JMM 00234)
J. L. Zelibor, Jr., M. Tamplin and R. R. Colwell (USA) 143

No. 4/5, 28 December 1987

Polyacrylamide gel electrophoresis and subspeciation of total cell proteins from multi-antibiotic-resistant skin diphtheroids labelled with [^{35}S]methionine or [^{35}S]thioATP and of coagulase negative staphylococci labelled with [^{35}S]methionine (JMM 00235)
M. Asante, J. Holton, F. R. Jackson and I. Smith (England) 157
The immunofluorescent detection of *Entamoeba histolytica* in pus using avidin–biotin system (JMM 00236)
B. M. Gandhi, M. Irshad, S. K. Acharya and B. N. Tandon (India) 169
A small, sturdy and durable rotator for the continuous agitation of yeasts in liquid cultures (JMM 00237)
W. N. Arnold (USA) 179
A method for the bacterial elicitation of a hypersensitive-like response in plant cell cultures (JMM 00238)
A. G. Matthysse (USA) 183
A method for sterilization of natural seawater (JMM 00239)
B. Little, S. Gerchakov and L. Udey (USA) 193
Evaluation of viable counting procedures for the enumeration of sulfate-reducing bacteria in estuarine sediments (JMM 00240)
G. R. Gibson, R. J. Parkes and R. A. Herbert (Scotland) 201
Comparison of methods for extraction of ATP from soil (JMM 00241)
V. R. Vaden, J. Webster, G. J. Hampton, M. S. Hall and F. R. Leach (USA) 211
The value of orthogonal-field-alternation gel electrophoresis as a rapid identification process for some species representing the genus *Saccharomyces* (JMM 00242)
D. J. Coetzee, J. L. F. Kock and G. H. J. Pretorius (Republic of South Africa) 219
A screen arc model well to simulate iron bacterial fouling (JMM 00243)
D. R. Cullimore and N. Mansuy (Canada) 225
Scanning electron microscopic delineation of bacterial surface topology using cationized ferritin (JMM 00244)
R. Lamed, J. Naimark, E. Morgenstern and E. A. Bayer (Israel) 233
Rapid screening method for detection of bacterial mutants with altered adhesion abilities (JMM 00245)
M. M. Cowan and M. Fletcher (USA) 241

No. 6, April 1988

Isolation and purification of peptide and alkaloid toxins from *Anabaena flos-aquae*, using high-performance thin-layer chromatography (JMM 00246)
K. J. Al-Layl, G. K. Poon and G. A. Codd (Scotland) 251
A semi-micro quantitative assay for cellulolytic activity in microorganisms (JMM 00247)
J. E. Plant, R. W. Attwell and C. A. Smith (England) 259
Refinement of an adherence assay for the measurement of bacterial attachment to silica beads (JMM 00249)
T. Black, G. Alderson and T. H. Thomas (England) 265

Isolation and separation of cysts and epimastigotes of *Blastocrithidia triatomae* Cerisola et al., 1971 (Trypanosomatidae) (JMM 00252)
G. A. Schaub, E. Schurr and D. Reduth (FRG) 277
Isolation and cell envelope layers of *Pseudomonas fluorescens* (JMM 00253)
J. A. Falla, P. Bauda and J. C. Block (France) 285
The use of phenylcarbamate derivatives for the GC-MS characterization of 3-hydroxyalkanoic acids in the lipopolysaccharides of *Rhizobium* (JMM 00254)
R. I. Hollingsworth and F. B. Dazzo (USA) 295
A simple preparative technique for observation of microorganisms from municipal refuse by transmission electron microscopy (JMM 00255)
R. Smed-Hildmann and Z. Filip (FRG) 303
A comparison of double vial to serum bottle radiorespirometry to measure microbial mineralization in soils (JMM 00251)
D. B. Knaebel and J. R. Vestal (USA) 309
Contents to Volume 7 319
Author Index 323
Subject Index 327